

06/01/00

1. **Project Name:** [Project Name]  
 2. **Project Number:** [Project Number]  
 3. **Project Manager:** [Project Manager]  
 4. **Project Sponsor:** [Project Sponsor]  
 5. **Project Start Date:** [Project Start Date]  
 6. **Project End Date:** [Project End Date]  
 7. **Project Budget:** [Project Budget]  
 8. **Project Status:** [Project Status]  
 9. **Project Description:** [Project Description]  
 10. **Project Objectives:** [Project Objectives]  
 11. **Project Deliverables:** [Project Deliverables]  
 12. **Project Risks:** [Project Risks]  
 13. **Project Issues:** [Project Issues]  
 14. **Project Communication:** [Project Communication]  
 15. **Project Reporting:** [Project Reporting]

Please type a plus sign (+) inside this box →

Approved for use through 09/30/2000. OMB 0651-0032  
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE  
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**UTILITY  
PATENT APPLICATION  
TRANSMITTAL**

***{Only for new nonprovisional applications under 37 C.F.R. § 1.53(b)}***

Attorney Docket No.	200007 USA
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First Inventor or Application Identifier	Philip M. Snider et al.
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<i>Title</i>	METHOD AND SYSTEM FOR PERFORMING OPERATIONS FOR IMPROVING PRODUCTION IN WELLS
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Express Mail Label No. IB790834682

## APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

**ADDRESS TO:** Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

- |    |  |  |  |   |
|----|--|--|--|---|
| 1. | <input checked="" type="checkbox"/>  | *Fee Transmittal Form (e.g., PTO/SB/17)<br>(Submit an original and a duplicate for fee processing)   |  |   |
| 2. | <input checked="" type="checkbox"/>  | Specification<br>(preferred arrangement set forth below)   | (Total Pages) <table border="1" style="display: inline-table;"><tr><td>36</td></tr></table>  | 36  |
| 36 |  |  |  |   |
|    |  | <ul style="list-style-type: none"> <li>- Descriptive title of the Invention</li> <li>- Cross References to Related Applications</li> <li>- Statement Regarding Fed sponsored R &amp; D</li> <li>- Reference to Microfiche Appendix</li> <li>- Background of the Invention</li> <li>- Brief Summary of the Invention</li> <li>- Brief Description of the Drawings (if filed)</li> <li>- Detailed Description</li> <li>- Claim(s)</li> <li>- Abstract of the Disclosure</li> </ul> |  |   |
| 3. | <input checked="" type="checkbox"/>  | Drawing(s) (35 U.S.C. 113)   | (Total Sheets) <table border="1" style="display: inline-table;"><tr><td>10</td></tr></table>   | 10  |
| 10 |  |  |  |   |
| 4. |  | Oath or Declaration  | (Total Pages) <table border="1" style="display: inline-table;"><tr><td> </td></tr></table>   |   |
|    |  |  |  |   |
|    | a.   | <table border="1" style="display: inline-table;"><tr><td> </td></tr></table>   |  | Newly executed (original or copy)   |
|    |  |  |  |   |
|    | b.   | <table border="1" style="display: inline-table;"><tr><td> </td></tr></table>   |  | Copy from a prior application (37 C.F.R. § 1.63(d))<br>(for continuation/divisional with Box 17 completed)<br>(Note Box 5 below)                                |
|    |  |  |  |   |
|    | i.   | <table border="1" style="display: inline-table;"><tr><td> </td></tr></table>   |  | <u>DELETION OF INVENTOR(S)</u><br>Signed statement attached deleting<br>inventor(s) named in the prior application,<br>see 37 C.F.R. §§ 1.63(d)(2) and 1.33(b). |
|    |  |  |  |   |
| 5. | <table border="1" style="display: inline-table;"><tr><td> </td></tr></table> |  | Incorporation By Reference (useable if Box 4b is checked)<br>The entire disclosure of the prior application, from which a<br>copy of the oath or declaration is supplied under Box 4b, is<br>considered to be part of the disclosure of the accompanying<br>application and is hereby incorporated by reference therein. |   |
|    |  |  |  |   |

6. ☐ Microfiche Computer Program (*Appendix*)
7. Nucleotide and/or Amino Acid Sequence Submission  
(if applicable, all necessary)
- a. ☐ Computer Readable Copy
- b. ☐ Paper Copy (identical to computer copy)
- c. ☐ Statement verifying identity of above copies

## ACCOMPANYING APPLICATION PARTS

8. ☐ Assignment Papers (cover sheet & document(s))
9. ☐ 37 C.F.R. §3.73(b) Statement ☐ Power of Attorney  
(when there is an assignee)
10. ☐ English Translation Document (if applicable)
11. ☐ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations
12. ☐ Preliminary Amendment
13. ☒ Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)
14. ☐ \*Small Entity Statement(s) ☐ Statement filed in prior application,  
(PTO/SB/09-12) Status still proper and desired
15. ☐ Certified Copy of Priority Document(s)  
(if foreign priority is claimed)
16. ☒ Other: Cover letter transmittal.

**NOTE FOR ITEMS 18-14: IN ORDER TO BE ENTITLED TO PAY SMALL ENTITY FEES, A SMALL ENTITY STATEMENT IS REQUIRED (37 C.F.R. § 1.27), EXCEPT IF ONE FILED IN A PRIOR APPLICATION IS RELIED UPON (37 C.F.R. § 1.28)**

17. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment:
- ☐ Continuation    ☐ Divisional    ☐ Continuation-in-part (CIP)    of prior application No: \_\_\_\_\_
- Prior application information: Examiner \_\_\_\_\_ Group / Art Unit: \_\_\_\_\_

## 18. CORRESPONDENCE ADDRESS

☐ Customer Number or Bar Code Label (Insert Customer No. or Attach bar code label here) or ☒ Correspondence address below

<b>Name</b>	Jack E. Ebel				
	Marathon Oil Company				
<b>Address</b>	P. O. Box 269				
<b>City</b>	Littleton	<b>State</b>	CO	<b>Zip Code</b>	80160
<b>Country</b>	Arapahoe	<b>Telephone</b>	(303) 347-5622	<b>Fax</b>	(303) 347-5369

Name (Print/Type)	Jack E. Ebel	Registration No. (Attorney/Agent)	28,148
Signature		Date	06/01/00

**Burden Hour Statement:** This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SENT TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.**

0 0 5 3 5 4 8 = 0 0 0 7 0 0

DATE: June 1, 2000


**Dear Sir or Madam:**

**Inventor(s): Philip M. Snider and Joseph A. Zierolf**

**Enclosed are:**

- X Cover Letter with Certificate of Mailing by Express Mail dated 06/01/00.
- X Utility Patent Application Transmittal, Form PTO/SB/05.
- X Fee Transmittal Form PTO/SB 17 (in duplicate).
- X 36 pages of specification, including claims and abstract.
- X Ten sheets of drawings (FIGS. 1-8C).

X Ten sheets of drawings (FIGS. 1-8C).




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Attorney of Record  
P.O. Box 269, Littleton, CO 80160  
(303) 347-5622

\*\*\*\*\*  
 "Express Mail" Mailing Label No. IB790834682

**Date of Deposit: June 1, 2000**

I hereby certify that this paper and the enclosures are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the Assistant Commissioner for Patents, Washington, D. C. 20231.

Name  
Ray Weinrich  
  
Signature

200007 USA  
Docket Number

June 1, 2000  
Date

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**FEE TRANSMITTAL**

Patent fees are subject to annual revision on October 1.

These are the fees effective October 1, 1997

Small Entity payments must be supported by a small entity statement, otherwise large entity fees must be paid. See Forms PTO/SB/09-12.

See 37 C.F.R. §§ 1.27 and 1.28

TOTAL AMOUNT OF PAYMENT (\$ 2538

Complete If Known

Application Number	
Filing Date	June 1, 2000
First Named Inventor	
Examiner Name	
Group / Art Unit	
Attorney Docket No.	200007 USA

**METHOD OF PAYMENT (check one)**1 ☒ The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:

Deposit Account Number	13-1505
Deposit Account Name	Marathon Oil Company

☒ Charge Any Additional Fee Required Under 37 C.F.R. §§ 1.16 and 1.17
 ☐ Change the issue Fee Set in 37 C.F.R. §§ 1.18 at the Mailing of the Notice of Allowance

 2. ☐ Payment Enclosed:  
☐ Check ☐ Money Order ☐ Other
**FEE CALCULATION****1. BASIC FILING FEE**

Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description	Fee Paid
101	790	201	395	Utility filing fee	690
106	330	206	165	Design filing fee	
107	540	207	270	Plant filing fee	
108	790	208	395	Reissue filing fee	
114	150	214	75	Provisional filing fee	
SUBTOTAL (1)					690

**2. EXTRA CLAIM FEES**

Total Claims	Extra Claims	Fee from below	Fee Paid
75	-20**	55 x 18	990
14	-3**	11 x 78	858
Multiple Dependent			

\*\*or number previously paid, if greater; For Reissues, see below

103	22	203	11	Claims in excess of 20
102	82	202	41	Independent claims in excess of 3
104	270	204	135	Multiple dependent claim, if not paid
109	82	209	41	**Reissue independent claims over original patent
110	22	210	11	**Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$ 1848

**FEE CALCULATION (continued)****3. ADDITIONAL FEES**

Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description	Fee Paid
105	130	205	65	Surcharge - late filing fee or oath	
127	60	227	25	Surcharge - late provisional filing fee or cover sheet	
139	130	139	130	Non-English specification	
147	2,520	147	2,520	For filing a request for reexamination	
112	920*	112	920	Requesting publication of SIR prior to Examiner action	
113	1,840	113	1,840	Requesting publication of SIR prior to Examiner action	
115	110	215	55	Extension for reply within first month	
116	400	216	200	Extension for reply within second month	
117	950	217	475	Extension for reply within third month	
118	1,510	218	755	Extension for reply within fourth month	
128	2,060	228	1,030	Extension for reply within fifth month	
110	310	219	156	Notice of Appeal	
120	310	220	155	Filing brief in support of an appeal	
121	270	221	135	Request for oral hearing	
138	1,510	138	1,510	Petition to revive - unavoidable	
140	110	240	55	Petition to revive - unintentional	
141	1,320	241	660	Utility issue fee (or reissue)	
142	1,320	242	660	Design issue fee	
143	460	243	225	Plant issue fee	
144	670	244	335	Petitions to the Commissioner	
122	130	122	130	Petitions to the Commissioner	
123	60	123	60	Petitions related to provisional applications	
126	240	126	240	Submission of information Disclosure Stmt	
581	40	581	40	Recording each patent assignment per property (times number of properties)	
146	790	246	395	Filing a submission after final rejection (37 CFR 1.129(a))	
149	790	249	395	For each additional invention to be examined (37 CFR 1.129(b))	
Other fee (specify)					
Other fee (specify)					
*Reduced by Basic Filing Fee Paid					
SUBTOTAL (3)					

**SUBMITTED BY**

Typed or Printed Name	Jack E. Ebel
Signature	

Date 06/01/00

**Complete (if applicable)**

Reg. Number	28,148
Deposit Account User ID	13-1505

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